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From: Winston Hsu, Registration No. 41,526

Serial No.: 10/709,935

Attorney Docket No.: REAP0023USA

Subject: Information Disclosure Statement (IDS)

Total Pages: 49 pages (including cover page)

Winston Hsu 2005/08/09

From: 8064986673

To: 00215712738300

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Date: 2005/8/10 上午 11:56:58

		U.S.	Patent and	PTO/SB/21 (09-04) Approved for use through 07/31/2006, OMB 0651-0031 Trademark Office; U.S. DEPARTMENT OF COMMERCE		
Under the Papenwork Reduction Act of 199	S no persor	Application Number		nformation unless It displays a valid OMB control number. 19,935		
TRANSMITTAL		Filing Date		7/2004		
FORM		First Named Inventor		-Chih Huang		
I OKW		Art Unit	2663	- Only Fideing		
		Examiner Name		YEN, CHAU T		
(to be used for all currespondence after initia	48 48	Altorney Docket Number	 	20023USA		
Total Number of Pages In This Submission	40	<u> </u>	INCA	002303A		
	ENC	LOSURES (Check all	that apply	*		
Fee Transmittal Form		Drawing(s)		After Allowance Communication to TC Appeal Communication to Board		
Fee Attached		Licensing-related Papers		of Appeals and Interferences		
Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53	Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence A Ferminal Disclaimer Request for Refund CD, Number of CD(s) Landscape Table on CD ks	vddress	Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please Identify below):			
SIGNA	TURE O	F APPLICANT, ATTO	RNEY, O	DR AGENT		
Firm Name	North.	America Intellectua	Prope	erty Corporation		
Signature Wenton Law						
Printed name Winston Hsu						
Date 08/09/2005	R	eg, No.	41,526			
CERTIFICATE OF TRANSMISSION/MAILING						
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:						
Signature		Cindy Lin				
Typed or printed name	/ Lin		Date 08/09/2005			

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducines, should be sent to the Chief Information Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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سننشذ فحمه سعم

PTO/SB/17 (12-04)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Pane	work Reduction Act o	1995 no persons are	required to r	espond to a collect	ion of Infor	metion unle	es it disnlave a v	mid OMB	control number
Effective on 12/08/2004.			Complete if Known						
Fees pursuant to the Consolidated Appropriations Act, 2006 (H.R. 4818).			Application Nu	ımber	10/709,935				
FEE TRANSMITTAL			Filing Date		06/07/2004				
For FY 2005			First Named In	nventor	Chen-Chih Huang				
			Exeminer Nan	ne	NGUYEN, CHAU T				
	Applicant claims small entity status. See 37 CFR 1.27			Art Unit		2663			
TOTAL AMOU	T OF PAYMENT	(\$) 0.00		Attorney Dock	et No.	REAPO	023USA		
METHOD OF	PAYMENT (chec	k all that apply)							
For the a	Deposit Account Deposit Account Number: 50-3105 Deposit Account Name: North America Intellectual Property Corp. For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)								
WARNING: Inform	der 37 CFR 1.16 a	l fee(s) or underpay nd 1.17 ny become public. Ci		ce(s) Cred	fit any ove	erpayment			
FEE CALCUL	ATION								
1. BASIC FILI Application	FILI	ND EXAMINATIONS FEES Small Entity Fee (\$)		RCH FEES Small Entity Fee (\$)	EXAN Fee	AINATION Small (\$) Fee	FEES Entity	Fees P	aid (\$)
Utility	300	150	500	250	200				
Design	200	100	100	50	130) 6	5 .		
Plant	200	100	300	150	160		0 -		
Reissue	300	150	500	250	600	_			
Provisional	200	100	0	0	0		0 -		
2. EXCESS CLAIM FEES Fee Description Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent Multiple dependent claims Small Entity Fee (\$) Fee (\$) 25 100 100 Multiple dependent claims									
Total Claims	Extra Cl or HP =	aims Fee (\$)	<u>Fee</u> j	Paid (\$)			fent Claims Fee Paid	(e)	
HP = highest nun Indep. Claims - 3	nber of total claims pa Extra Cl or HP =	d for, if greater than 20 airns Fee (\$)	Fee J	Paid (\$)		• (\$) 			
3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Total Sheets Extra Sheets Number of each additional 50 or fraction thereof - 100 =									
4. OTHER FEE(S) Non-English Specification, \$130 fee (no small entity discount) Other: submission of Information Disclosure Statement 0.00									
Offict: commont of information pipologica proteinary.									
SUBMITTED BY									
Signature	Win	ton the		Registration No. (Attorney/Agent)	41,526	3	Telephone 3	02-729	-1562
Narne (Print/Type)	Winston Hs	u					Date 08/0	9/2005	5

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Department of Commerce, P.O. Box 1450. Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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(Use as many sheets as necessary)

of 1

Sheet 1

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Date: 2005/8/10 上午 11:56:59

PTO/SB/08A (08-03)

NGUYEN, CHAU T

REAP0023USA

Approved for use through 07/31/2008, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete If Known Substitute for form 1449/PTO Application Number 10/709,935 Filing Date 06/07/2004 INFORMATION DISCLOSURE First Named Inventor Chen-Chih Huang STATEMENT BY APPLICANT Art Unit 2663

Examiner Name

Attorney Docket Number

			U. S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No.	Document Number Number-Kind Code ^{2 (# Answert)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	^{US-} 5,812,537	09-22-1998	Betts, et al.	all
	2	^{US-} 2002/0101983 A1	08-01-2002	Lee, Claymens	all
	3	^{US-} 6,775,529 B1	08-10-2004	Roo	all
		US-			
		U\$-			
		US-			

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁵ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ°
	4	TW 318989	11-01-1997			+
	5	TW 507433	10-21-2002			+
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Examiner	,	Date	
Signature		Considered	ł
g.,			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Sea Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Acid of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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From: 8064986673 To: 00215712738300 Page: 5/49 Date: 2005/8/10 上午 11:56:59

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Chen-Chih Huang, Chin-Wen Huang.

5 Appl. No.: 10/709,935

Filing Date: 06/07/2004

Examiner: NGUYEN, CHAU Y

Art Unit: 2663

Docket No.: REAP0023USA

Title: ECHO CANCELLATION DEVICE FOR FULL DUPLEX COMMUNICATION

10 SYSTEMS

To: Commissioner for Patents

P.O. BOX 1450

15 Alexandria, VA 22313-1450

Subject: Information disclosure statement under 37 CFR \$1.56

20

Dear Sir,

This is an Information Disclosure Statement in accordance with the duty to disclose information 25 material to patentability under 37 CFR \$1.56. The applicant wishes to make of record the document(s) listed on the accompanying form PTO/SB/08.

Since this IDS is filed before the mailing date of the first Office action, consideration of the information disclosure statement is hereby requested according to 37 CFR \$1.97(b).

From: 8064986673 To: 00215712738300 Page: 6/49 Date: 2005/8/10 上午 11:57:00

That each item of information contained in the information disclosure statement was first cited in an Office communication mailed on May 10, 2005 for the counterpart Taiwan patent application number 093100947 and on May 16, 2005 for the counterpart Taiwan patent application number 093103106, which are no more than three months prior to the filing of the information disclosure statement.

According to the requirement set forth in 37 CFR 10 \$1.98(a)(2), the applicant is submitting a copy of the cited Taiwanese patent TW 318989 (published November 1, 1997) and TW 507433 (published October 21, 2002). In accordance with 609 MPEP III A(3), an English-language equivalent application may submitted to fulfill the requirement for a concise relevance. Accordingly, the explanation of English-language equivalent US patent 5,812,537 of the Taiwanese patent TW 318989, and the English-language equivalent US patent US 2002/0101983 A1 of the 20 Taiwanese patent TW 507433 are hereby presented to fulfill the 37 CFR \$1.98(a)(3) requirement.

It is respectfully requested that the examiner can consider the document(s) listed on the accompanying form

25 PTO/SB/08 and that it be made of record in the application. The applicants sincerely hope that the examiner initials the cited reference(s) on the form and that a copy of the initialed form be sent to the applicants with the next communication from the examiner.

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From: 8064986673 To: 00215712738300 Page: 7/49 Date: 2005/8/10 上午 11:57:00

Respectfully submitted,

Wenton bay

Date: August 9, 2005

Winston Hsu, Patent Agent No. 41,526

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562 Facsimile: 806-498-6673

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Note: Please leave a message in my voice mail if you need to talk to me. The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.